

Remarks/Arguments

Claims 1-21 are now pending in this application. In the January 2, 2004 office action, claims 1-4, 12-17 and 19 were rejected under 35 U.S.C. §102 (b) as being anticipated by U.S. Patent No. 5,930,701 to Skog (hereinafter "*Skog*"). Claims 5, 6, 9, 20, and 21 were rejected under 35 U.S.C. §103 (a) as being obvious over *Skog* in view of U.S. Patent No. 5,949,865 to Fusinato (hereinafter "*Fusinato*"). Claims 7, 8, and 18 were rejected under 35 U.S.C. §103 (a) as being obvious over *Skog* in view of U.S. Patent No. 5,805,997 to Farris (hereinafter "*Farris*"). Claims 10 and 11 were rejected under 35 U.S.C. §103 (a) as being obvious over *Skog* in view of U.S. Patent No. 5,974,309 to Foti (hereinafter "*Foti*"). For the reasons set forth below, the applicants respectfully request reconsideration and immediate allowance of this application. Prior to discussing the reasons why the applicants believe that the claims current pending in this application are allowable, a brief description of the present invention and the cited references is presented.

Summary of the Invention

The present invention provides a method and system for collecting and storing caller identification information associated with a calling party directed to an out of service wireless telephone. When calls are made to a wireless telephone, a determination is made as to whether the telephone is registered for service, that is, whether the telephone can receive calls because it is powered on and is located within a wireless telecommunications service area where it may receive calls. During periods when the wireless telephone is not registered for service, caller identification information on calls placed to the wireless telephone is stored in an identification queue. Once the wireless telephone is registered for service, stored caller identification information is forwarded to the wireless telephone and placed in a missed call log on the wireless telephone. By placing this information in the missed call log of the wireless telephone, the user of the wireless telephone may simply review the missed call log to access information about all missed calls including, both calls missed while the wireless telephone was registered for service and the calls missed while the wireless telephone was not registered for service.

Summary of the Cited Reference

Skog describes a method for providing a calling party directory number to an unreachable mobile station. A calling party directory number associated with a terminating call towards an unreachable mobile station is stored at an application module of a home location register (HLR) associated with the unreachable mobile station. When the HLR receives an indication that the mobile station is now reachable, the application module communicates the retrieved calling party number to the reachable mobile station utilizing a short message service (SMS) message. The SMS message is transmitted to the SIM card of the destination mobile station for display to the mobile subscriber. As will be discussed below, *Skog* does not teach placing caller ID information in a missed call log on the destination mobile station.

Specification

The disclosure was objected to because of typographical errors on page 6, lines 26 and 29 of the specification. The applicants have amended the specification to correct this error and other typographical errors. The applicants submit that no new material was added with these amendments and respectfully request that the disclosure objection be withdrawn.

Claim Rejections - 35 U.S.C. § 102 and 103

The applicants have amended independent claims 1 and 17 and canceled dependent claims 2 and 19. The applicants respectfully submit that the pending claims are in condition for immediate allowance.

Independent Claim 1

Skog does not teach, suggest, or describe each recitation of independent claim 1. The applicants have amended claim 1 to recite “checking the registration status of the wireless telephone at a regular frequency until the status indicates that the wireless telephone is registered to receive calls” and “for storage in a missed call log on the wireless telephone.” *Skog* does not teach these recitations. *Skog* teaches sending a signal

from a mobile station to a MSC when the mobile station becomes reachable. The MSC then updates the HLR. In response, the application module within the HLR sends the calling party identification information to the mobile station via SMS message. The system taught by *Skog* waits for the mobile system to update status and then reacts to the update. *Skog* does not teach repeatedly checking the registration status of the mobile phone at a regular frequency.

Moreover, *Skog* does not teach storing the calling party's identification information in a missed call log on the wireless telephone. Storing caller ID information in the missed call log of a wireless device for calls made to the wireless device while the wireless device is out of service is a very useful feature. By placing the calling party's information in the missed call log, along with the information for those calls missed while the wireless telephone was in service, the user of the wireless telephone only has to navigate to a single location to find information on all the calls missed that were placed to that device.

Skog teaches sending the calling party's directory number to the SIM card of the wireless device. The directory number is sent using an SMS message format. By utilizing an SMS format, *Skog* teaches a way from storing the calling party's directory number in the missed call log of the wireless device. It is common practice in the art for wireless telephone to send and receive SMS messages. When receiving SMS messages, wireless telephones place SMS messages in a message log. This message log is separate and distinct from the missed call log, which stores caller ID information for calls received at the wireless device but not answered. By storing caller ID information for all missed calls in the same log, the present invention offers a distinctive advantage over *Skog*. For at least these reasons, independent claim 1 is allowable over *Skog*.

Independent Claim 14

Skog does not teach, suggest, or describe each recitation of independent claim 14. In particular, *Skog* does not teach "obtaining caller identification information on the calling party from a calling name database" and "storing the caller identification information in a missed call log on the wireless telephone" as recited by claim 14. *Skog* teaches supplying a calling party's directory number to the called party's wireless device.

Skog does not teach supplying additional information to the called party such as the calling party's name. To include the calling party's name and additional information other than the calling party's directory number, the additional step of searching a database is required. *Skog* does not teach this step.

Additionally, as discussed above with respect to independent claim 1, *Skog* does not teach storing the caller directory number in a missed call log on the wireless telephone. For at least these reasons, independent claim 14 is allowable over *Skog*.

Independent Claim 17

Skog does not teach, suggest, or describe each recitation of independent claim 14. The applicants have amended claim 17 to incorporate the recitations of original claim 19. *Skog* does not teach "a home location register operative to obtain caller identification information on the calling party from a calling name database" and a wireless telephone operative "to store the caller identification information in a missed call log" as recited by independent claim 17. As discussed above with respect to independent claim 14, *Skog* does not teach obtaining calling party ID information from a calling name database or storing the information in a missed call log. Accordingly, independent claim 17 is allowable over *Skog*.

Dependent Claims 3-13, 15-16, 18, and 20-21

Because *Skog* and *Skog* in combination with *Fusinato* and *Foti* fail to teach, suggest, or describe the recitations of claims 3-13, 15-16, 18, and 20-21 and because claims 3-13, 15-16, 18, and 20-21 depend from allowable independent claims 1, 14, and 17, dependent claims 3-13, 15-16, 18, and 20-21 are allowable over *Skog* and *Skog* in combination with *Fusinato* and *Foti*.


Conclusion

Applicants further assert that this response addresses each and every point of the Office Action, and respectfully requests that the Examiner pass this application to allowance. Should the Examiner have any questions, please contact applicants' undersigned attorney at 404.954.5100.

Respectfully submitted,

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